

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE See Block #2		PAGE OF PAGES 1 of 6		
2. AMENDMENT/MODIFICATION NO. N66001-02-R-5017 0003			3. EFFECTIVE DATE 17 Jun 2002		4. REQUISITION/PURCHASE REQ.NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY 2211 CODE N66001			7. ADMINISTERED BY (If other than Item 6) CODE					
SPAWAR SYSTEMS CENTER, SAN DIEGO 53560 HULL ST., BLDG A33, RM 1602W SAN DIEGO CA 92152-5001 CODE 2211 Oliver Wong, (619) 553-4507 owong@spawar.navy.mil								
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(X)		9A. AMENDMENT OF SOLICITATION NO. N66001-02-R-5017		
				X		9B. DATED (SEE ITEM 11)		
						10A. MODIFICATION OF CONTRACT/ORDER NO.		
						10B. DATED (SEE ITEM 13) 10 May 2002		
CODE		FACILITY CODE						
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS								
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.								
12. ACCOUNTING AND APPROPRIATION DATA (If required)								
13. THIS ITEM APPLIES ONLY TO MODIFICATION OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.								
(X) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: () THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A. B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: D. OTHER (Specify type of modification and authority)								
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 1 copies to the issuing office.								
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of Amendment 0003 to N66001-02-R-5017 is to provide Answers to Questions and make Administrative Changes to the solicitation document. All other solicitation provisions remain unchanged. Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.								
15A. NAME AND TITLE OF SIGNER (Type or print) 15B.				16A. NAME AND TITLE OF SIGNER (Type or print) JAMES E. SMITH JR. <i>JES</i>				
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED		
(Signature of person authorized to sign)				BY <i>James E Smith Jr.</i> (Signature of Contracting Officer)		6-17-02		

AMENDMENT 0003

FOR Questions and Answers (Q&A's) and administrative changes
Regarding SSC-SD RFP N66001-02-R-5017, entitled "Secure Digital Communication Control System."

1. Q&A's.

1. Review of the MTRACS Console Drawing does not provide enough information as to the space available for mounting the LCD Screens, Speakers, Jackbox(s) or other ancillary equipment that may be required for an operational position. Are dimensions particular to sizes of openings including height, width, and depth for mountings of these equipment's in the console available?

Government Response: See the attached drawing.

2. Paragraph 3.2.2.4.1.5.7

PROGRAMMABLE FEATURE CAPABILITY in the Performance

Specification sub-para k. Split Operations. Split operations is questionable in a Red/Black solution assuming that Radio communications can be in the Secure Mode while the other Operator is talking on G/G circuits. It was identified earlier by the govt. that all G/G circuits are Black circuits while Intercom is Red, and Radios can be Red/Black at any give time. Is it correct to assume that in Split mode the operator that has all assets (monitor of radio, phone, intercom) can have non secure communications while the other operator (radio Tx/Rx) can be Tx/Rx in secure mode?

Government Response: Yes. See Performance. Specification's paragraphs. 3.2.1.4 and 3.2.1.6 and 3.2.1.1.7

2. Q&A's.

1. A previous question was asked regarding Main/Standby Radios in regards to 150 main - 150 standby or 150 radios only. The govt response was 150 radios only. In the specification M/S is referenced 3 times.

Based on this we have the following questions:

Does the 150 radios only indicate that there are no standby radios? If there are standby radios associated with a main radio can the govt please provide the quantity?

Or is Standby used to describe the redundancy of interfaces to a radio, i.e. two channels per a single radio to provide M/S or better defined as parallel channels to the radio so that if one channel fails the other channel will become active?

If Main/Standby radios is a requirement is there also a requirement for automated switchover from M/S and S/M or is it a manual operation by the operator?

Government Response: Performance Specification's pp. 3.2.2.5.1 Radio's "... for both main and standby channels" is deleted. See Administrative Changes below.

2. Based on Q&A (10)9, in the first amendment issued by the govt. The 4 maintenance and control positions are part of the 27 Operator Positions. Are the 4 maintenance and control positions Type I or Type II positions?

Government Response: The 4 operator stations that will operate in the maintenance/administrative modes will be Type II operator interface positions.

3. Q&A (10) 24 in the first amendment issued by the govt. The answer is unclear based on the question stated. Is it the desire that the govt have a separate system database for Red and for Black? If yes what would the requirement be based on? The system database is considered to be control data and storage of parameters and is assumed to be Black data. Clarification please?

Government Response: Individual control and parameter data may be Black but could become sensitive or classified if combined with location, frequency, status data, etc. Because of this the database must meet the requirements of specification paragraph 3.2.4.6.1. If separate databases can meet the requirements of specification paragraph 3.2.4.6.1 then separate databases may be sufficient.

3. Q&A's.

1. Is the SDCCS to provide crypto pooling/sharing between the radios or are the cryptos directly connected to the radios?

Government Response: Cryptos are not hardwired to radios, but are assigned to secure circuits. A secure circuit can transmit from any radio.

2. Below is an NSTISSAM Specification excerpt and the SDCCS specification excerpt. Please explain the apparent discrepancy between the NSTISSAM 6.6 (c) and SDCCS 3.2.3.16.7. Note that 6.6 (c) is referring to frequency and not bit rate. This has a significant impact on design and potential cost to the Government.

National Security Telecommunications and Information Systems Security Advisory Memorandum (NSTISSAM) TEMPEST/2-95 Excerpt:

6.6. Multiplexers, Video and Audio Switches, and Other Multiple Circuit Equipment. Multiplexers, video switches, audio switches and other multiple circuit equipments associated with RED unencrypted signal lines may be used to process both SCI and non-SCI, subject to the following conditions:

a. Plain Text Transmission. The probability of inadvertent plain text transmission of SCI to a non-SCI user due to channel slippage or other causes shall be no greater than one per million.
b. Unwanted Third Party Connection. The probability of an unwanted third party connection to an SCI circuit shall be no greater than one per million.

c. Crosstalk. Crosstalk levels between any channels within an equipment, to include those likely to yield worst case conditions (e.g., adjacent conductors or paths in the same cable, on the same printed circuit board, through the same integrated circuit component, etc.), shall meet the applicable standards below:

65 dB minimum audio crosstalk isolation at any frequency between 0.3 and 15 kHz.

60 dB minimum video crosstalk isolation at any frequency up to 5 MHz with nonsynchronous sources.

30 dB minimum baseband digital crosstalk isolation. Baseband is defined as the frequency range from the digital rate (Rd) to 10Rd.

SDCCS Specification Excerpt:

3.2.3.16.7 CROSSTALK AND ISOLATION. Crosstalk power between any paths in either the Red or Black section of the SDCCS shall be attenuated greater than 100 dB below operating level at all frequencies and under all conditions of network loading. Crosstalk power between the red section and black section of the SDCCS shall be attenuated greater than 100 dB below operating level at all frequencies and under all conditions of network loading. Crosstalk power between the red section of the SDCCS and the position interfaces shall be attenuated greater than 100 dB below operating level at all frequencies and under all conditions of loading. Crosstalk power between any red and black radio, intercom and telephone paths at the operating stations shall be attenuated greater than 100 dB below normal operating level at all frequencies and under all conditions of channel selection. The test signal shall be input at the operating station microphone interface and at the operating station red input interface. The red to black signal leakage shall be measured at the operating station black output interface.

Government Response: Section 6 of NSTISSAM TEMPEST/2-95 deals with Sensitive Compartmented Information.

3. Reference SOW paragraphs 3.1.4.8 and 3.9.1.

Please confirm that the PCA occurs on-site at the completion of Site Acceptance Testing. When is the Product Configuration Baseline established?

Government Response: After successful completion of PCA.

4. Q&A's.

Please advise whether Training Materials (SOW 3.15.2) and CBT (SOW 3.15.3) are to be included as one line item under CLIN 0002AF.

Government Response: No.

ADMINISTRATIVE CHANGES

1. Performance Specification's pp. 3.2.2.5.1 is changed to read:

From:

3.2.2.5.1 RADIOS. The SDCCS shall interface with Ground Air Ground (GAG) remote radios. It shall contain necessary circuitry to process radio audio and control (PTT; narrowband/wideband select) signals. This includes signal amplification, impedance matching, keying, interlock, status and protection devices for both main and standby channels. Specific radios shall include but are not limited to the AN/GRR-24 UHF receivers, AN/GRT-22 UHF transmitter, AN/GRC-171 (V)5 UHF transceiver, AN/VRC-90 VHF FM transceiver, AN/GRC-211 AM transceiver, AN/FRT-96, URC-200, URT 42, RF 590, and RF1130. All incoming audio on that radio channel shall be directed to every position, which has selected that channel. Whenever a voice signal is present on a channel, a visible indication shall be provided to each position, which has been configured to receive that channel, regardless of the physical location of the position. The interface shall be required to provide the following connections.

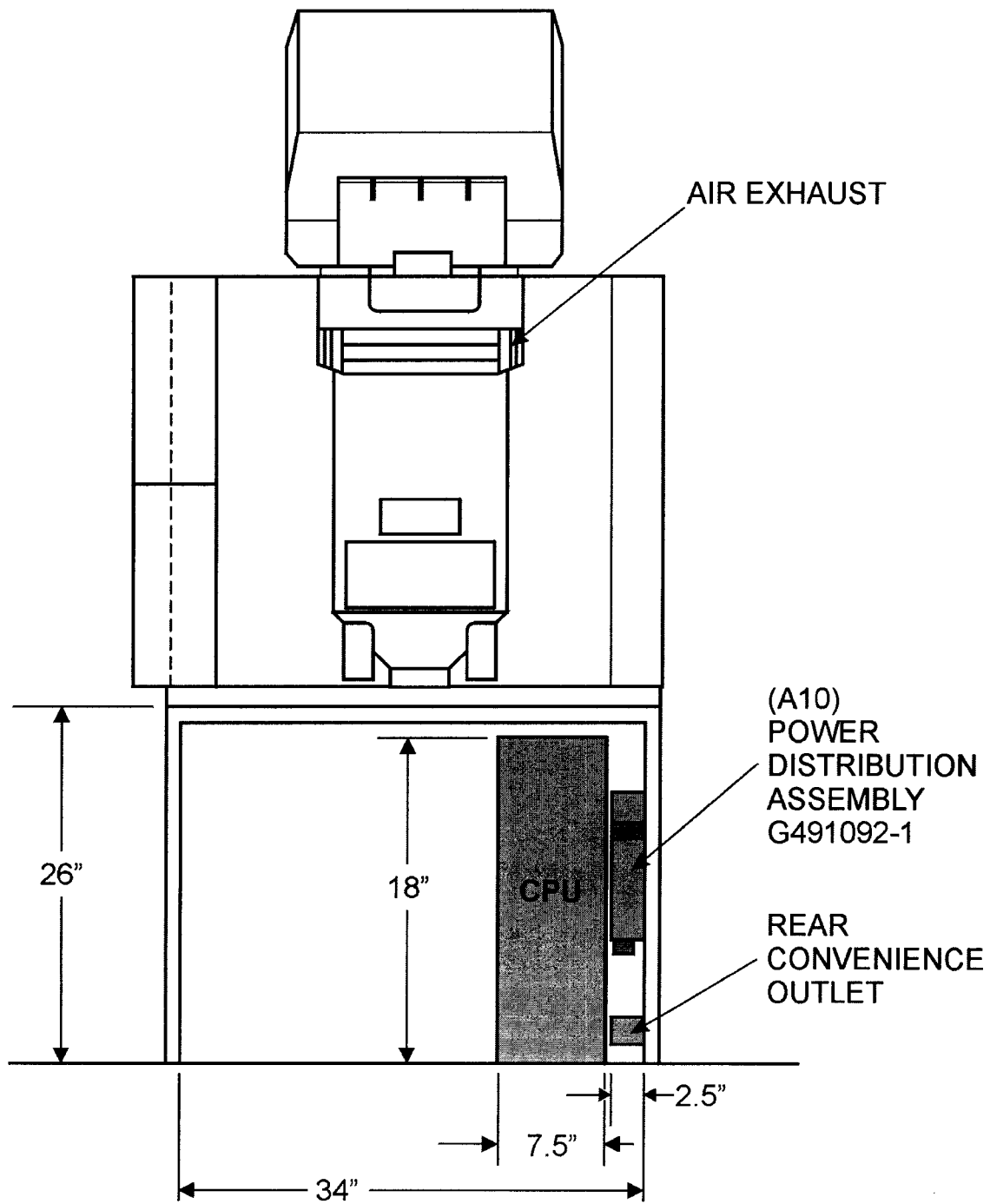
- a. One pair for the signal to the main transmitter
 - b. One pair for the signal from the main receiver
- One pair for keying for the main transmitter (dry contact, 100 mA maximum)

To:

3.2.2.5.1 RADIOS. The SDCCS shall interface with Ground Air Ground (GAG) remote radios. It shall contain necessary circuitry to process radio audio and control (PTT; narrowband/wideband select) signals. This includes signal amplification, impedance matching, keying, interlock, status and protection devices. Specific radios shall include but are not limited to the AN/GRR-24 UHF receivers, AN/GRT-22 UHF transmitter, AN/GRC-171 (V)5 UHF transceiver, AN/VRC-90 VHF FM transceiver, AN/GRC-211 AM transceiver, AN/FRT-96, URC-200, URT 42, RF 590, and RF1130. All incoming audio on that radio channel shall be directed to every position, which has selected that channel. Whenever a voice signal is present on a channel, a visible indication shall be provided to each position, which has been configured to receive that channel, regardless of the physical location of the position. The interface shall be required to provide the following connections.

- c. One pair for the signal to the main transmitter
 - d. One pair for the signal from the main receiver
- One pair for keying for the main transmitter (dry contact, 100 mA maximum)

-End



MTRACS Console Rear View